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Attorney's Docket No.: 14875-132US1 / C1-A0112P-US

PCT

10/500184

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sugo et al. Art Unit : Unknown
Serial No. : 10/500,184 Examiner : Unknown
Filed : June 25, 2004
Title : METHOD FOR STABILIZING PROTEINS

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants submit references listed on the attached form PTO-1449. Copies of references AE and AG to AM listed on the attached form are enclosed. A copy of the International Search Report in a counterpart foreign application is also enclosed. References AD, AF, and AN are not enclosed because they were cited in the International Search Report. Therefore, copies of these references should have been forwarded to the Office by WIPO. Reference AC is not provided as it is in the same patent family as reference AD. This statement is being filed before the receipt of a first Office Action on the merits. No fee is believed to be due. Please apply any charges or credits to Deposit Account No. 06-1050, referencing Attorney Docket No. 14875-132US1.

Respectfully submitted,



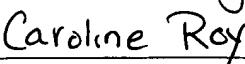
Marcos P. Rivas
Reg. No. 34,401

Date: February 28, 2005
Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804
Telephone: (617) 542-5070
Facsimile: (617) 542-8906
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| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 14875-132US1 | Application No. 10/500,184 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | | Applicant Sugo et al. | |
| | | Filing Date June 25, 2004 | Group Art Unit |

U.S. Patent Documents

| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|-----------------|------------------|---------------|-------|----------|----------------------------|
| | AA | 5,994,511 | 11/30/1999 | Lowman et al. | | | |
| | AB | 6,172,213 | 01/09/2001 | Lowman et al. | | | |

Foreign Patent Documents or Published Foreign Patent Applications

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| | | | | | | | Yes | No |
| | AC | WO 99/51743A1 | October 14, 1999 | PCT | | | | |
| | AD | EP 1069185 A1 | January 17, 2001 | EPO | | | | |

Other Documents (include Author, Title, Date, and Place of Publication)

| Examiner Initial | Desig. ID | Document |
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| | AE | Bischoff and Kolbe, "Deamidation of Asparagine and Glutamine Residues in Proteins and Peptides: Structural Determinants and Analytical Methodology," <u>Journal of Chromatography B</u> , 662:261-278 (1994). |
| | AF | Blanche et al., "Stabilization of Recombinant Adenovirus: Site-Directed Mutagenesis of Key Asparagine Residues in the Hexon Protein," <u>Analytical Biochemistry</u> , 297:1-9 (2001). |
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| | AH | Chothia and Lesk, "Canonical Structures for the Hypervariable Regions of Immunoglobulins," <u>Journal of Molecular Biology</u> , 196:901-917 (1987). |
| | AI | Chothia et al., "Structural Repertoire of the Human V _H Segments," <u>Journal of Molecular Biology</u> , 227:799-817 (1992). |
| | AJ | Harris et al., "Identification of Multiple Sources of Charge Heterogeneity in a Recombinant Antibody," <u>Journal of Chromatography B</u> , 752:233-245 (2001). |
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| | AL | Robinson and Robinson, "Molecular Clocks," <u>Proceedings of the National Academy of Sciences USA</u> , 98:944-949 (2001). |
| | AM | Scotchlér et al., "Deamidation of Glutamyl Residues: Dependence on pH Temperature, and Ionic Strength," <u>Analytical Biochemistry</u> , 59:319-322 (1974). |
| | AN | Tomizawa et al., "Stabilization of Lysozyme Against Irreversible Inactivation by Alterations of the Asp-Gly Sequences," <u>Protein Engineering</u> , 8:1023-1028 (1995). |

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| Examiner Signature | Date Considered |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |